Technical Information
WOLFIN® IB

WOLFIN Roof- and Waterproofing Membranes are soft plasticized extruded thermoplastic membranes. Since 1962 they have been applied in Building Construction and Civil Engineering as well as for foundations, ponds- and kitchen sealing (DIN 18195).

Henkel KGaA, Bautechnik is certified according to DIN EN ISO 9001.
DIN EN ISO 14001 and Ecological-Regulations of the EU.

WOLFIN® means:

• bitumen resistant • homogene hot air- and cold weldable • suitable for all insulation materials • free of toxic heavy metals • diffusion open • root resistant acc. to FLL • mineral oil resistant	• WOLFIN means equal physical properties throughout the whole membrane thickness • ozone- and UV-stable • almost acid- and alkaline resistant • cold resilience till – 45°C (AIB bending test) • long proved duration (>40 years) • suitable for recycling

Membrane Type and Application Fields:

WOLFIN® IB	non reinforced in accordance to DIN 16730 and to DIN 16937 (PVC-P-BV)
membrane width:	1100 mm and 1620 mm
nominal thickness:	1,2 mm/1,5 mm/2,0 mm (furth.thickn.upon request)
new building + refurbishment:	loose laid under ballast
special application:	waterproofing under mastic asphalt WOLFIN / SBS-torch-on method

Colour: black, grey

System parts etc.

• inner- and outer corners • sky light kerb corners • coated metal sheets • special profile systems	• stainless steel drain- and vent elements • stainless steel overflows etc. • lightning protection elements • adhesion systems

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Properties	Tests	WOLFIN IB Results
tensile strength	DIN 53455	18 N/mm²
tensile elongation	DIN 53455	350 %
Tear continuation	DIN 53515	47 daN/cm
bitumen compatibility	DIN 16726 part 5.19	yes
shore hardness A	DIN 53503	app. 70
water absorption	DIN 53472	0,5 %
dimension stability after accelerated ageing (6h/80°C)	DIN 16726	< 1,5 % *
UV-stability	weathering DIN 16726 4500 MJ/m² proved more than 30 years	yes
mineral oil- and almost acid resistant		yes
root penetration test	FLL-method (4 years) and acc. To DIN 4062 (6 month)	yes yes
Vapour diffusion factor		< 13.000
compressive strength		60 Kp/cm²
slit pressure test	acc. to AIB and in conformity to DIN 16937 testing pressure 3 bar	tight
excessive slit pressure test	test pressure 10 bar nominal thickness 0,8 mm	tight
heat conductivity	acc. to absolute one plate system (Kohlrausch)	λ = 0,16 W/(mK)
SS 37.4		yes
ISO controlled	ISO 9001 ISO 14001	yes yes
external supervision	DIN 16937, SKZ-Würzburg	yes

* at nominal thickness 1,5 mm

This technical data sheet was produced according to the latest technical knowledge and standards of Henkel KgaA, Bautechnik WOLFIN, Wächtersbach. Technical changes due to further developments are possible.

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